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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.z V Target Station Sweep Checklist

Text pages 2 through 3

C-A OPM Procedures in which this Attachment is used.
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4.56		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
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Revision No. 00

Approved: _____ **Signature On File** _____
Collider-Accelerator Department Chairman Date

V Target Station Sweep Checklist

Team leader _____ Operator 2 _____

Time: _____ Date: _____

Warning:

ONCE A SWEEP IS COMPLETE, ANY WORKER LEFT IN THE ENCLOSURE MUST HAVE A CA(EB006) KEY.

IF any personnel are encountered during the sweep, **THEN** determine whether their work will be completed in a short time. **IF** the work will take a long time, **THEN** contact the OC to see if the sweep should be aborted or the workers asked to leave to obtain a CA(EB006) key. **IF** the work will be completed in a **SHORT** time, **THEN** write the name(s) of the workers at the end of the checklist and verify that they leave the enclosure **WITH** the sweep team.

Prerequisites

- C Two persons to perform the sweep,
- C V Target Station Sweep Checklist for C-A-OPM-ATT 4.56.z (one sheet)
- C Required Tools: at least one flashlight,
- C Personal TLD and self-reading dosimeter per person, Alarming/Chirping Dosimeter
- C Walkie-talkie
- C Keys: Controlled Access (EB005) and Sweep/Reset (EB007) keys

Warning:

V Target is a potential Contamination Area. Sweeps shall be conducted by trained Contamination Workers. Ask HP if contamination is present and whether Contamination Area Procedure is to be followed.

Warning:

This procedure is the ONLY PASS sweep procedure where the Start and End of Sweep reset station is OUTSIDE the zone being swept.

check

- ___1. Team Leader contacts MCR to verify that Uup/V_target is on Controlled Access.
- ___2. Sweep Team goes to the gate VPGE1
- ___3. Team Leader requests Simultaneous Release from operator in MCR sweep team enters

using the CA(EB005) key in the OPEN key-switch.

____4. Sweep Team proceeds to VTGE1.

CONTINUED ON REVERSE SIDE

____5. Team Leader determines whether the V Target shutter is closed. IF the shutter is NOT closed THEN contact the CAS watch to come to VTGE1 and close it. (Ask CAS to remain at the gate to open the shutter at the end of the sweep).

Note:

When the V Target Shutter is closed, contact Health Physics to determine the residual levels outside the shutter.

- ____6. If VTGE1 is padlocked then go to Step 16.
- ____7. Team Leader requests simultaneous release from MCR for VTGE1.
- ____8. Team leader opens VTGE1 gate by turning the S/R(EB007) key in the OPEN key-switch while Operator in MCR holds the gate release.
- ____9. Team Leader stands static watch outside VTGE1.
- ____10. Operator #2 passes through VTGE1.
- ____11. Operator #2 proceeds to the upstream end of the cave at VQ12.
- ____12. Operator #2 sweeps upstream to check station at the end of cave.
- ____13. Operator #2 sweeps downstream past the V target station shutter.
- ____14. Operator #2 sweeps out VTGE1.
- ____15. Team Leader closes VTGE1.
- ____16. Team Leader starts Sweep by pushing red push button on underside of gate box outside VTGE1. Observe Area Secured lamp blink once.
- ____17. Team Leader ends the sweep by resetting the sweep zone at the gate box outside and left of VTGE1 by turning the S/R(EB007) key in the RESET key-switch.
- ____18. Observe the AREA SECURED amber light remains lit.
- ____19. Team Leader resets gate VTGE1 by turning the S/R(EB007) key in the RESET key-switch.
- ____20. Observe the GATE RESET amber light will remain lit.
- ____21. Team Leader confirms with an operator in the MCR that the gate is reset and that the sweep is OK.
- ____22. Team Leader notifies CAS that target shutter may be opened.
- ____23. Team Leader notifies CAS to install the padlock on VTGE.
- ____24. Team Leader files completed checklist in FY`nn Sweep Log binder.